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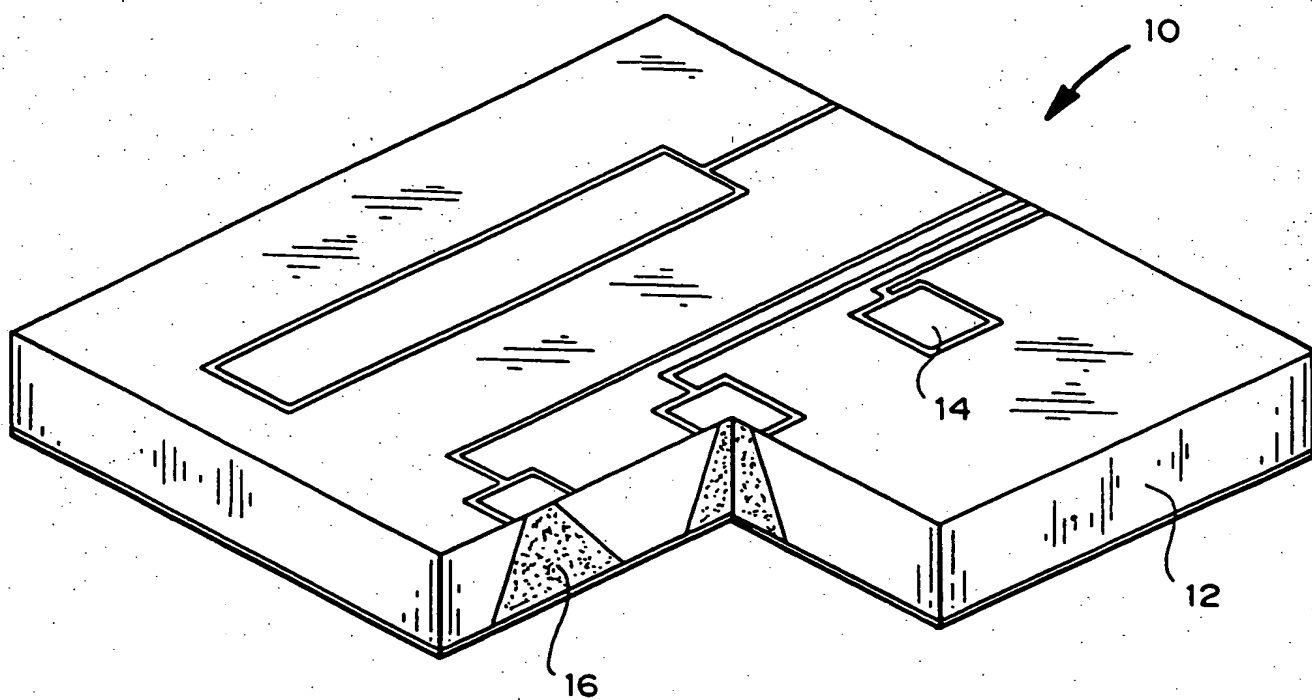
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**FIG. 1**

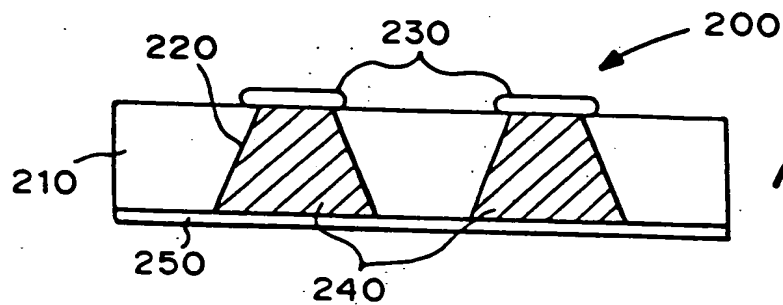


FIG. 2A

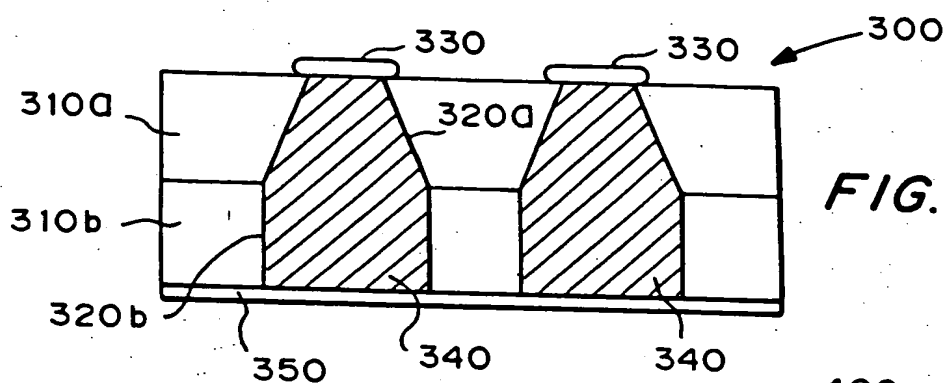


FIG. 2B

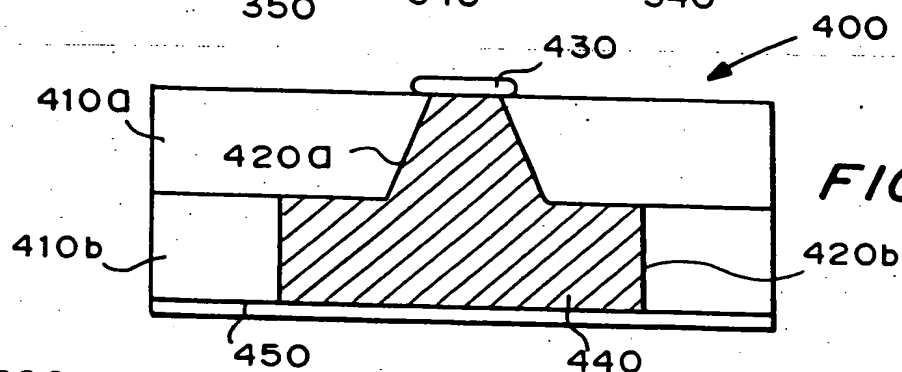


FIG. 2C

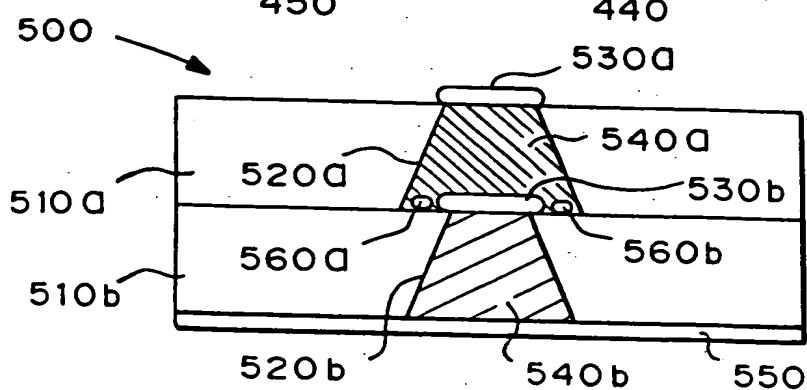


FIG. 2D

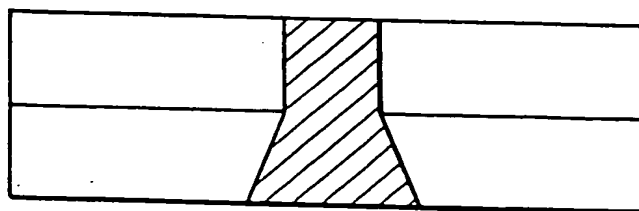
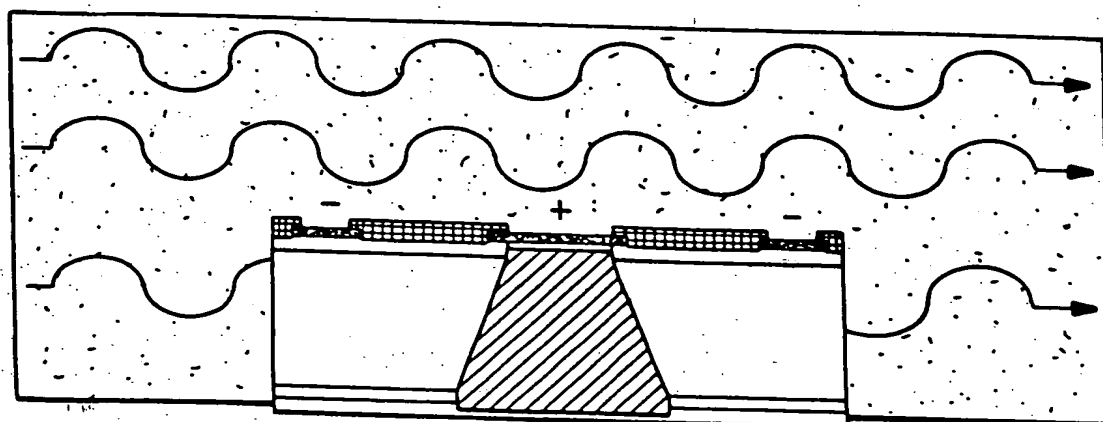
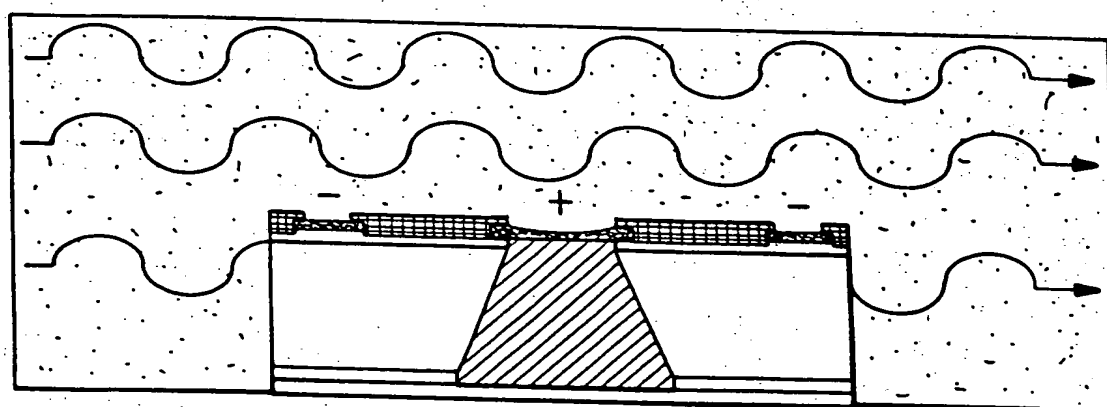


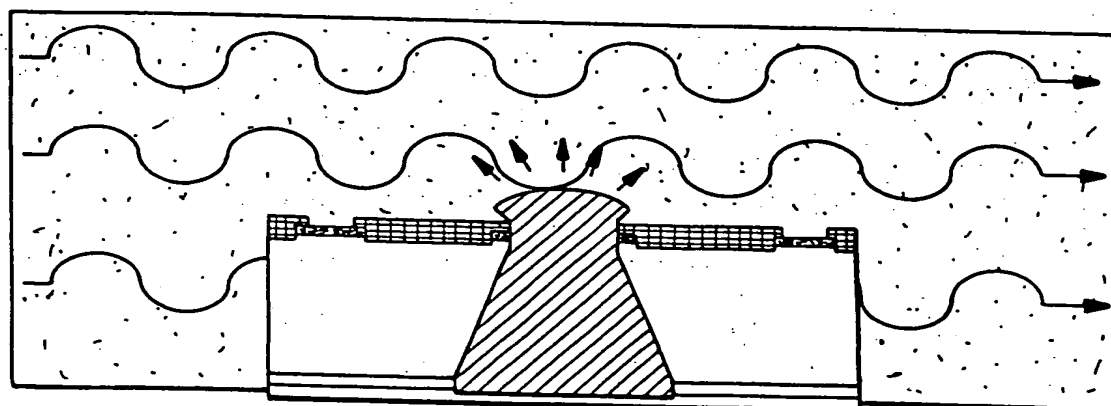
FIG. 2E







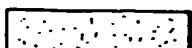
**FIG. 3A**



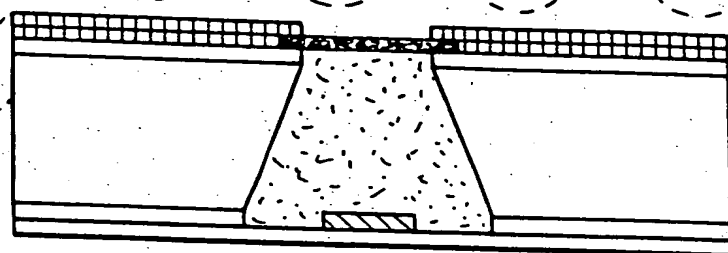
**FIG. 3B**



**FIG. 3C**

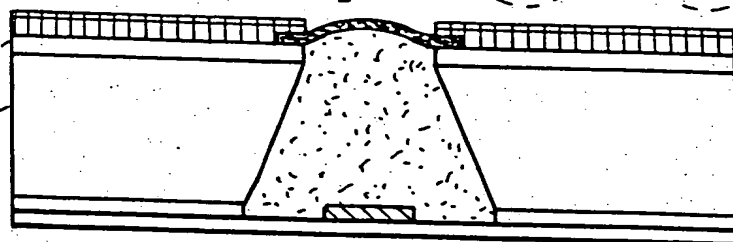
-  INSULATOR/ETCH MASK MATERIAL
-  ANODE AND CATHODE MATERIAL
-  INSULATOR OVERLAYER
-  MOLECULE (SOLID, LIQUID, OR GEL FORM) AND RELEASE SYSTEM
-  CARRIER LIQUID

$$T1 < T2 < T3$$



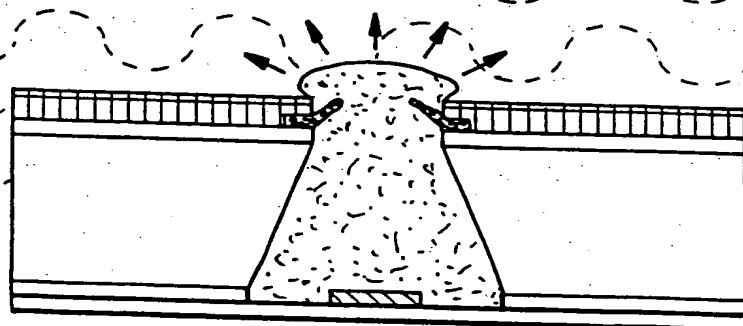
T1

**FIG. 4A**



T2

**FIG. 4B**

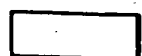


T3

**FIG. 4C**



RESISTOR



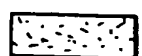
INSULATOR / ETCH MASK MATERIAL



CAP MATERIAL

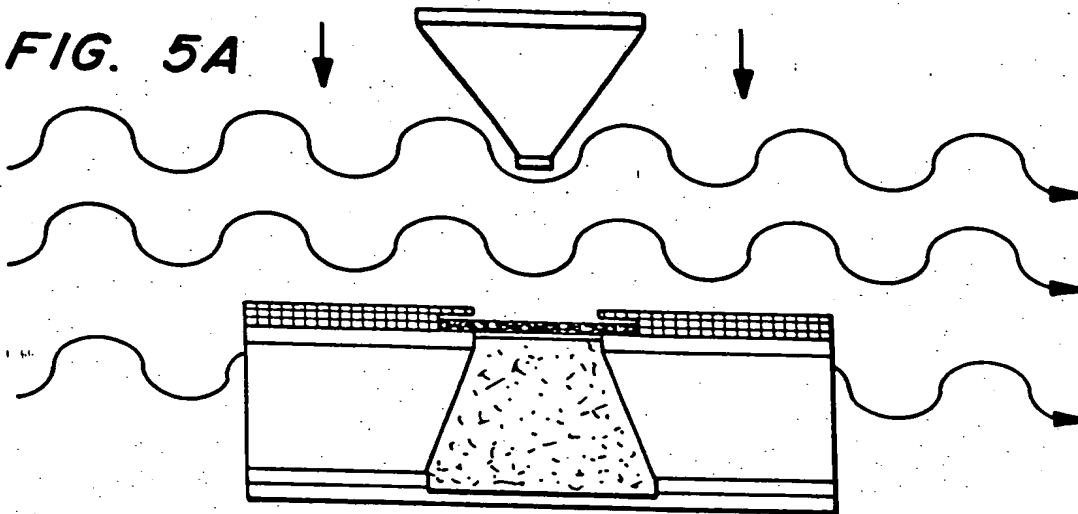


INSULATOR OVERLAYER

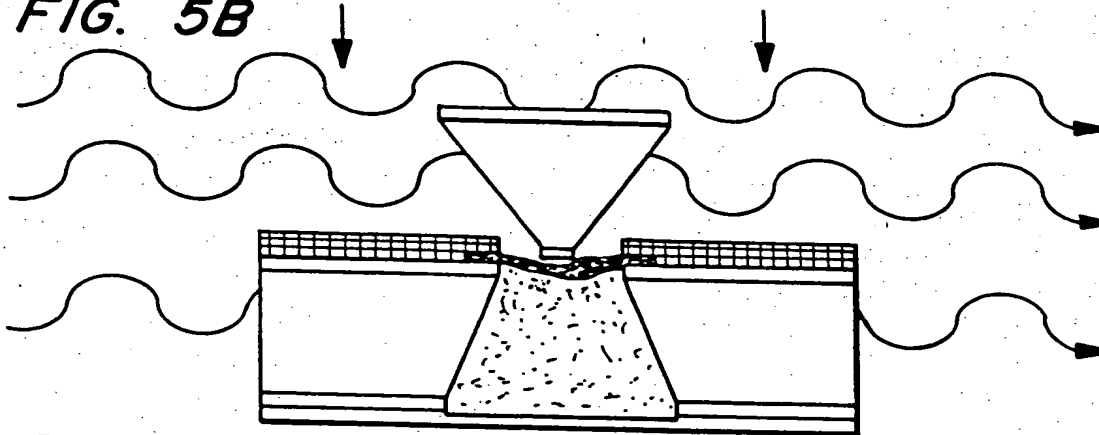


MOLECULE (SOLID, LIQUID, OR GAS FORM) AND  
RELEASE SYSTEM

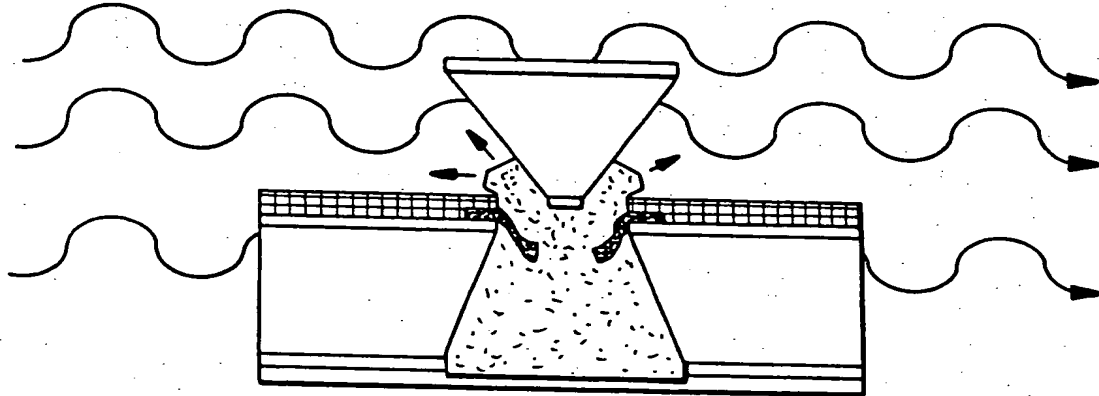
**FIG. 5A**



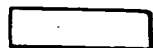
**FIG. 5B**



**FIG. 5C**



RESISTOR



INSULATOR/ETCH MASK MATERIAL



CAP MATERIAL



INSULATOR OVERLAYER



MOLECULE (SOLID, LIQUID, OR GAS FORM) AND  
RELEASE SYSTEM

FIG. 6A

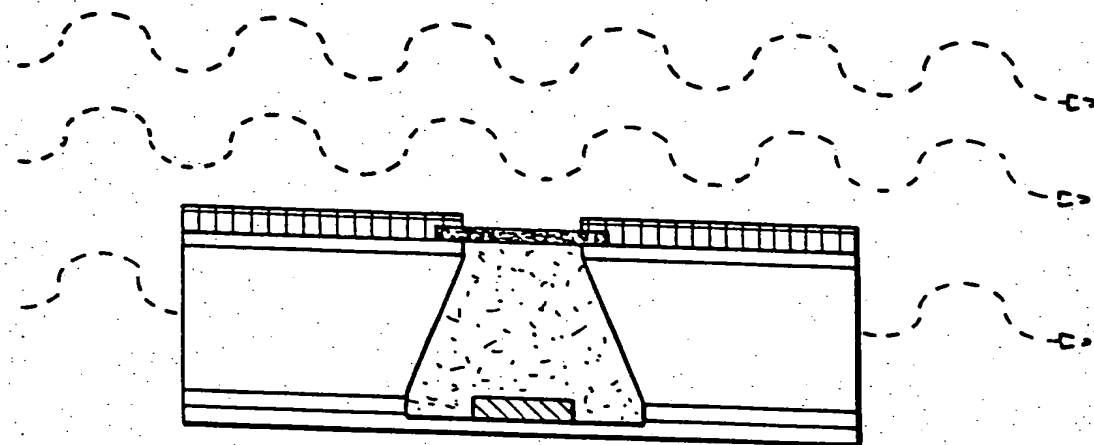
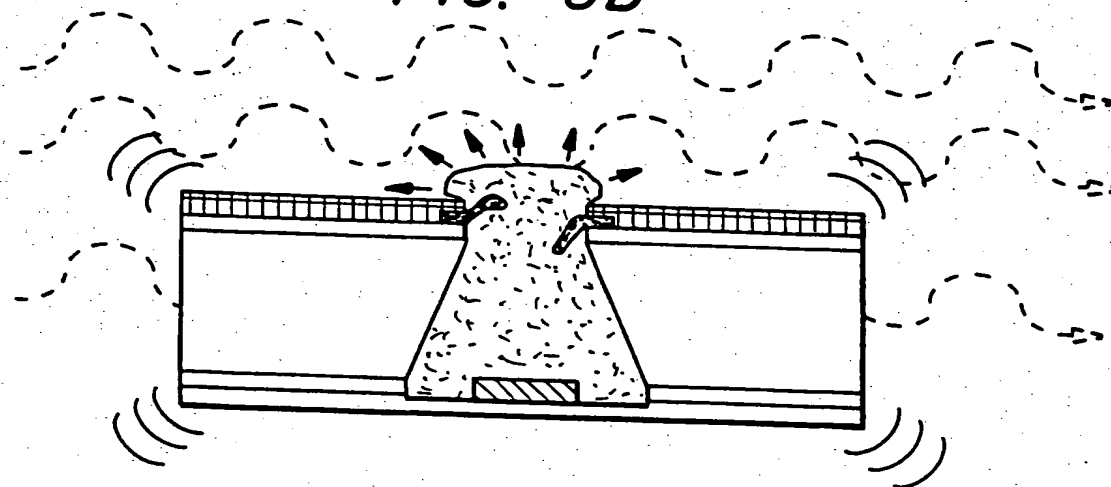



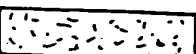

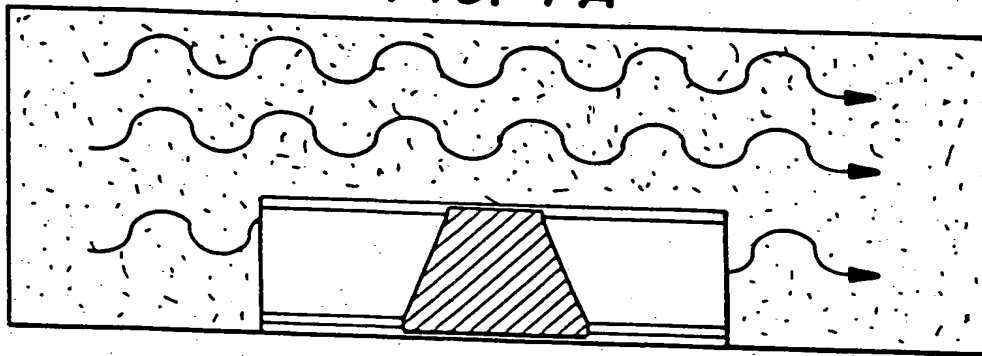


FIG. 6B

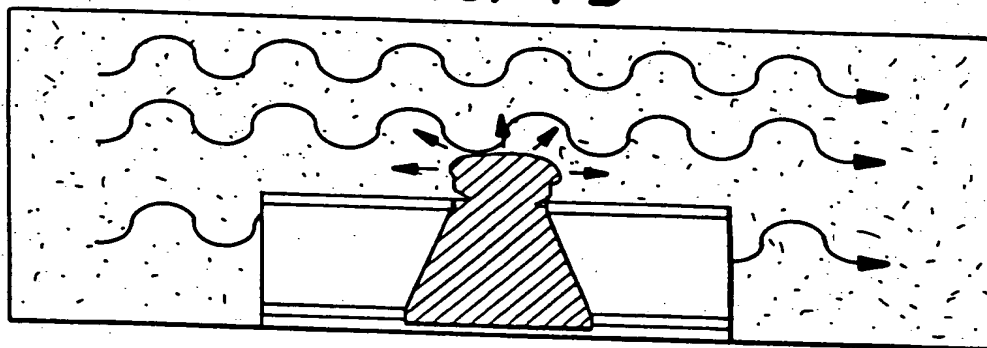


- |   |   |
|---|---|
|  | INSULATOR / ETCH MASK MATERIAL                              |
|  | CAP MATERIAL  |
|  | INSULATOR OVERLAYER   |
|  | MOLECULE (SOLID, LIQUID, OR GAS FORM)<br>AND RELEASE SYSTEM |
|  | PIEZOELECTRIC MATERIAL                                      |

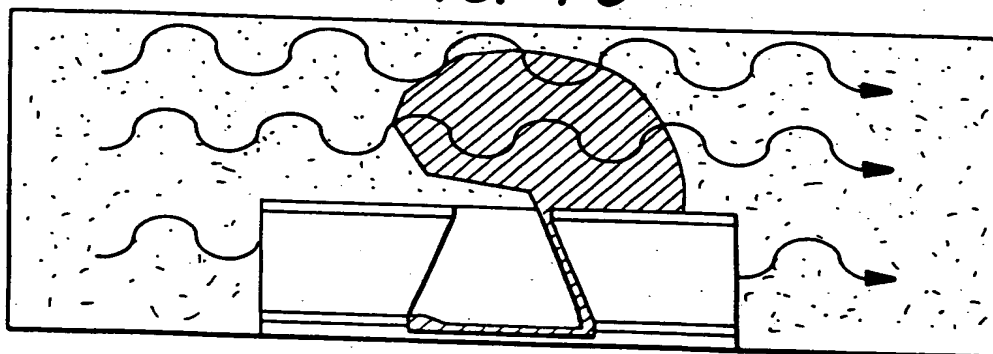
**FIG. 7A**






**FIG. 7B**



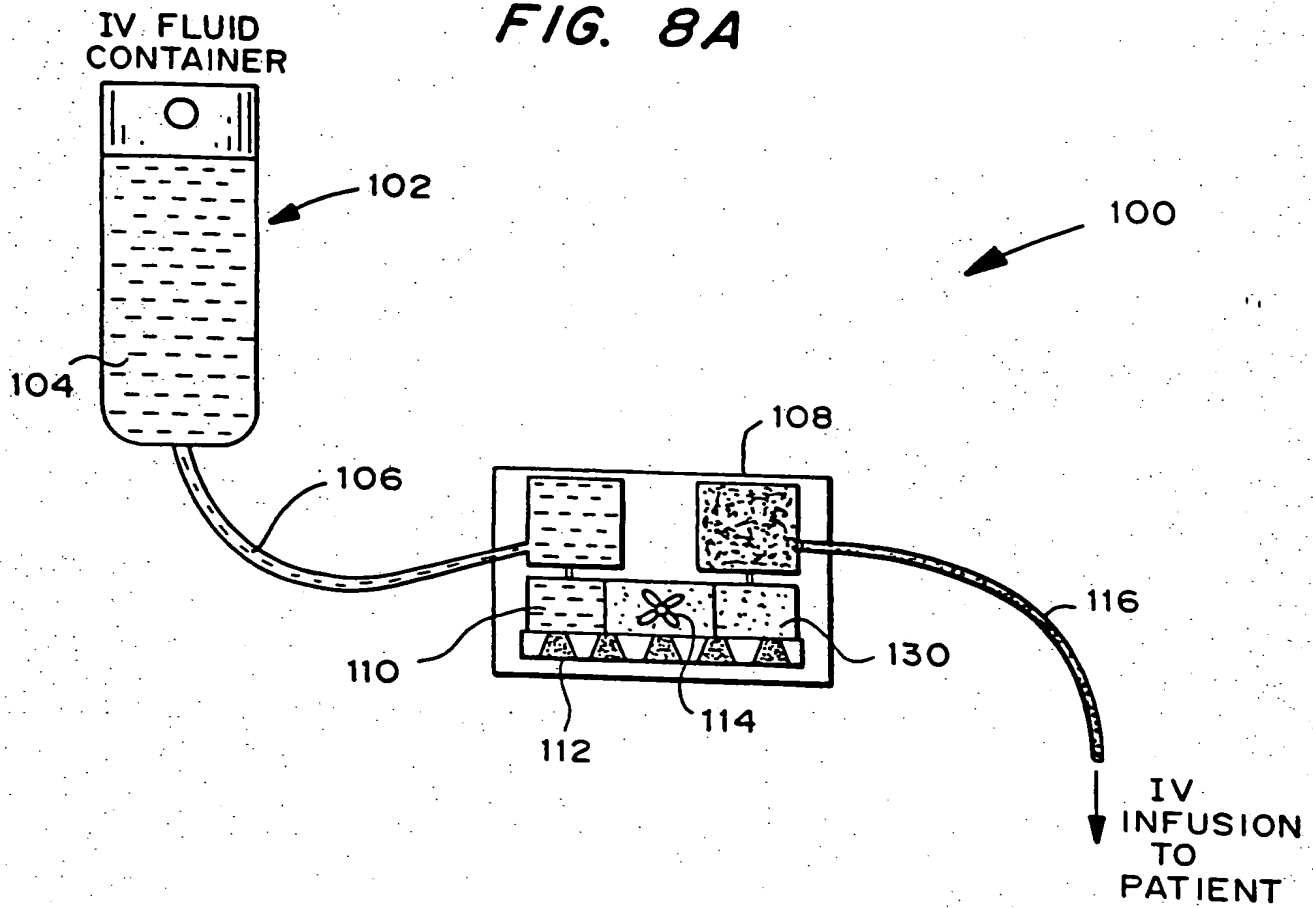
**FIG. 7C**



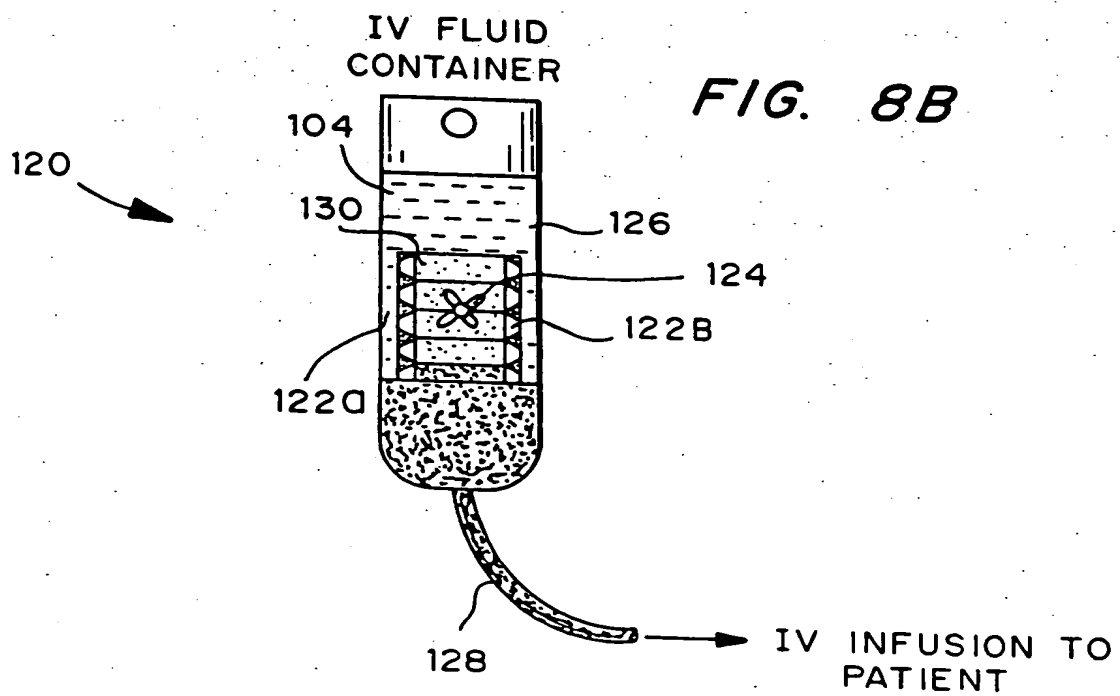
- |   |   |
|---|---|
|  | INSULATOR / ETCH MATERIAL   |
|  | MOLECULE (SOLID, LIQUID, OR GEL FORM) AND DEGRADABLE RELEASE SYSTEM |
|  | CARRIER LIQUID  |

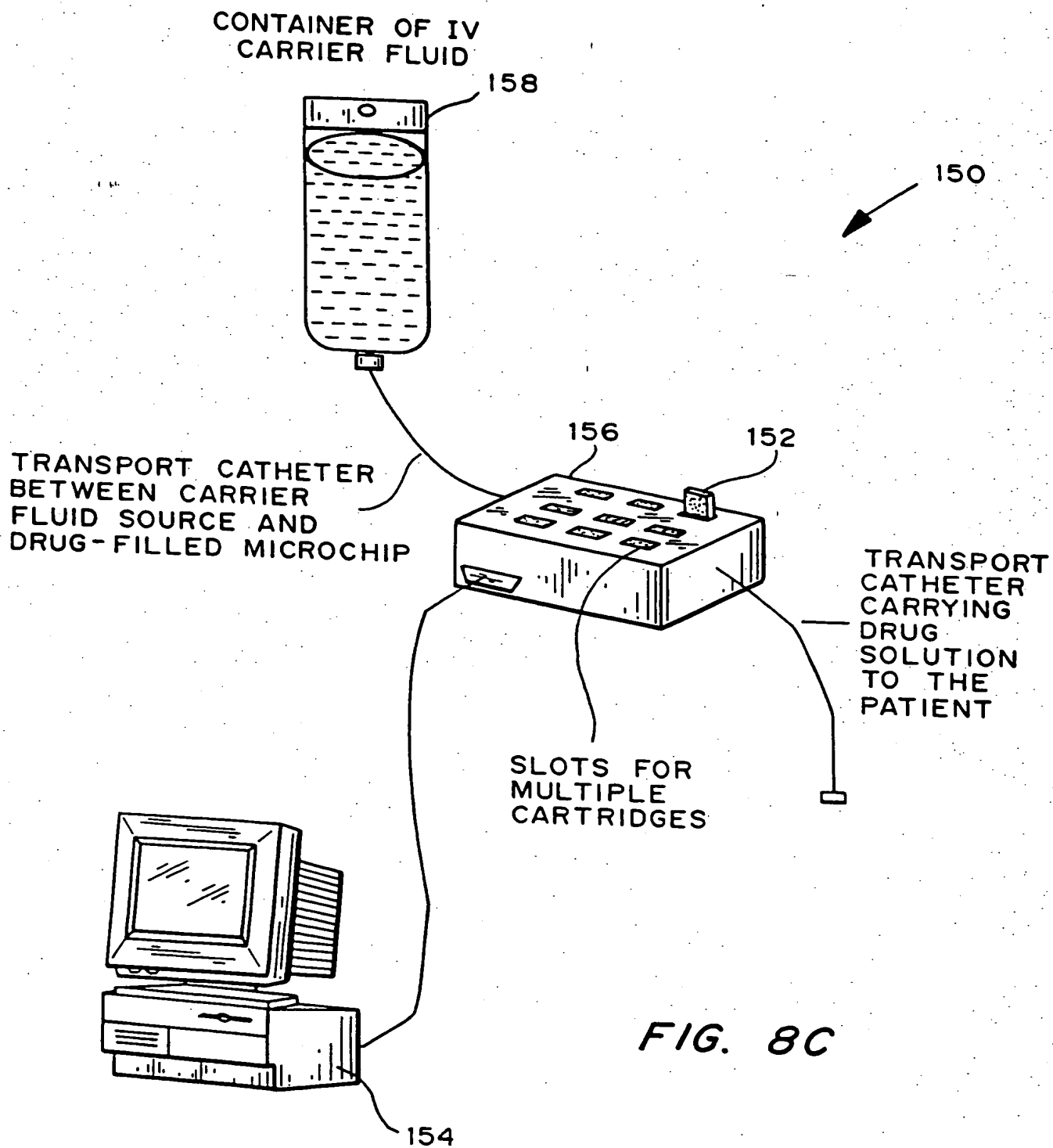


**FIG. 8A**



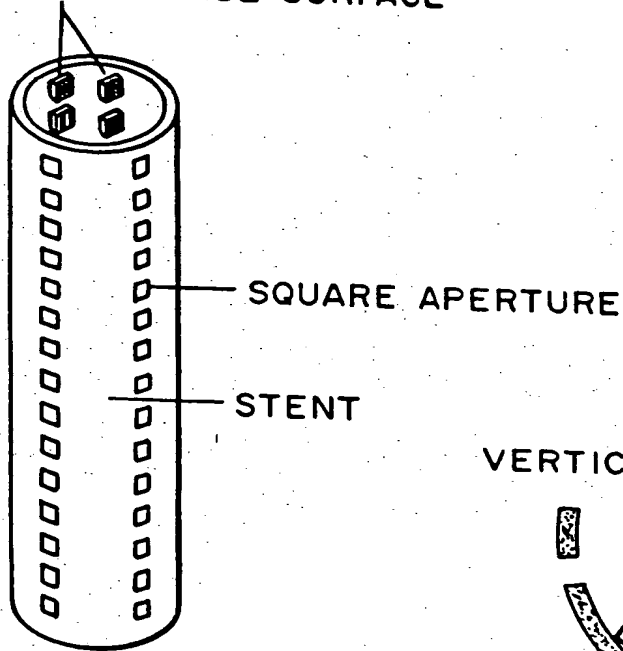
**FIG. 8B**





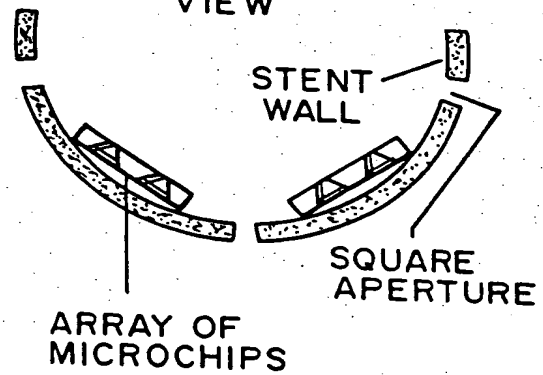
**FIG. 9A**

ARRAY OF MICROCHIPS ON  
THE STENT'S INSIDE SURFACE



**FIG. 9C**

VERTICAL CROSS-SECTIONAL  
VIEW



**FIG. 9B**

VERTICAL CROSS-SECTIONAL VIEW

